

# FILE NOTATIONS

Entered in NID File .....  
Location Map Pinned .....  
Card Indexed .....

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

## COMPLETION DATA:

Date Well Completed 5:24:75

Location Inspected .....

W..... WW..... TA.....

Bond released

W..... OS..... PA.....

State or Fee Land .....

## LOGS FILED

Driller's Log.....

Electric Logs (No.) .....

..... I..... Dual I Lat..... GR-N..... Micro.....

24C Sonic GR..... Lat..... MI-L..... Sonic.....

Log..... CLog..... Others.....

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Colt Oil Incorporated

## 3. ADDRESS OF OPERATOR

Suite 1270, 633 Seventeenth Street, Denver, Co., 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FSL and 1980' FWL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

25 miles west of Hanksville, Utah

## 16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

No other  
wells

## 16. NO. OF ACRES IN LEASE

2559.22

## 19. PROPOSED DEPTH

3800'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4830' approx. Ground Elev.

## 22. APPROX. DATE WORK WILL START\*

April 1, 1975

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4	13 3/8"	48#	150'	125 sks
12 1/4	9 5/8"	28#	1200'	200 sks
7 7/8	5 1/2"	14#	3800'	150 sks

Double ram hydraulic 10" Blowout preventer API 10" 900 Series will be used while drilling. Our prognosis is to drill a 17 1/4" hole to approximately 150', where 13 3/8" surface casing will be cemented from casing shoe to ground level. A 12 1/4" hole will be drilled to 1200' where 9 5/8" casing will be run to effect a Navajo water shut-off. A 7 7/8" hole will be drilled with rotary tools using air, air mist or areated mud to total depth. If testing and coring of the objective Permian Kaibab and Cedar Mesa formations warrant, 5 1/2" casing will be run and cemented at total depth.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Grant I. Gaeth

TITLE

President

DATE

2/13/75

(This space for Federal or State office use)

PERMIT NO.

13-055-30021

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Feb. 13, 1975



COLT OIL  
INCORPORATED

First of Denver Plaza, Suite 1270  
633 Seventeenth St. • Denver, Colo. 80202

Mr Feight

This is the well we  
discussed by telephone this AM.  
We will survey this location  
prior to March 1, 1975 and  
obtain the exact ungraded  
ground elevation at that time.  
We need the drilling permit  
as fast as possible in that  
we intend to apply for a  
wildcat pipe allocation

Sincerely  
James D. Lath

February 19, 1975

Colt Oil Incorporated  
Suite 1270  
633 Seventeenth Street  
Denver, Colorado 80202

Re: Well No. Federal Calneville 1-33  
Sec. 33, T. 28 S, R. 8 E,  
Wayne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure. Said approval is, however, conditional upon a surveyor's plat of the proposed location being forwarded to this Division prior to spudding operations.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director  
HOME: 466-4455  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

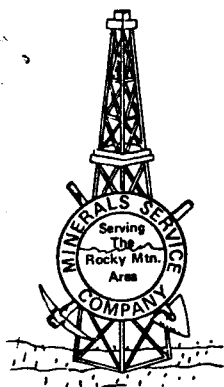
The API number assigned to this well is 43-053-30021.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sw  
cc: U.S. Geological Survey



# MINERALS SERVICE COMPANY

P. O. Box 614, 2916 Hiway 6 & 24, Grand Junction, Colorado 81501  
Telephone 303 / 245-2335

March 10, 1975

Re: Federal - Caineville  
Well No. 1-33  
Wayne County, Utah  
Our File: MSC-8-75

Mr. Edgar W. Guynn,  
Acting District Engineer  
United States Geological Survey  
8426 Federal Building  
Salt Lake City, Utah 84138

Dear Mr. Guynn:

The following twelve (12) point development plan for surface use is hereby submitted for the above well.

1. Existing roads including location of the exit from the main highway.  
The attached topographic map sheet, Plat No. 1, illustrates the existing roads. Existing roads will be used with minor improvements as required.
2. Planned access roads.  
Approximately 7500 feet of temporary road will have to be constructed. Plat No. 1 illustrates the position of the road.
3. Location of existing wells.  
Plat No. 1 illustrates the location of two abandoned wells.
4. Lateral roads to well locations.  
None
5. Location of tank batteries and flow lines.  
Plat No. 2 illustrates the production equipment to be used should the well be productive.
6. Location and type of water supply.  
Plat No. 1 shows the position of the water source. The top has been opened on the abandoned well, and it is presently flowing a 5" pipe of artesian water.
7. Methods for handling waste disposal  
Any waste material derived from the operations will be confined to the location. A trash pit will be constructed as shown on the attached Plat #3. All trash such as mud sacks, garbage and any other debris will be periodically gathered during the drilling operation and disposed of in the pit. Upon completion of the well, any additional

Page 2

To: Mr. Edgar W. Guynn  
From: Mr. John I. Gordon  
Date: March 10, 1975

garbage or debris that remains will be placed in the pit and covered to a minimum depth of 5 feet. A chemical toilet will be on the location and available for use.

8. Location of camps.

None

9. Location of airstrips.

None

10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc.

The attached Plat #3 illustrates the layout of the location and the position of all pertinent items.

11. Plans for restoration of the surface.

The location will be restored as nearly as possible to its original contour and reseeded. All restoration, reseeding and reclamation work will be done in coordination with a local Richfield District BLM Representative.

12. Any other information that may be used in evaluating the impact on environment.

The topography surrounding these locations is shown by Plat #1. Generally, the location is reasonably level and the vegetation consists of scattered sagebrush and greasewood. Surface geology appears to be red silt and shales mixed with gyp and some sandstone outcrops.

Should you require any additional information concerning the above, please contact me. Phone: 303-245-2335 or residence 303-243-9599.

Very truly yours,

**Original Signed By  
JOHN I. GORDON**

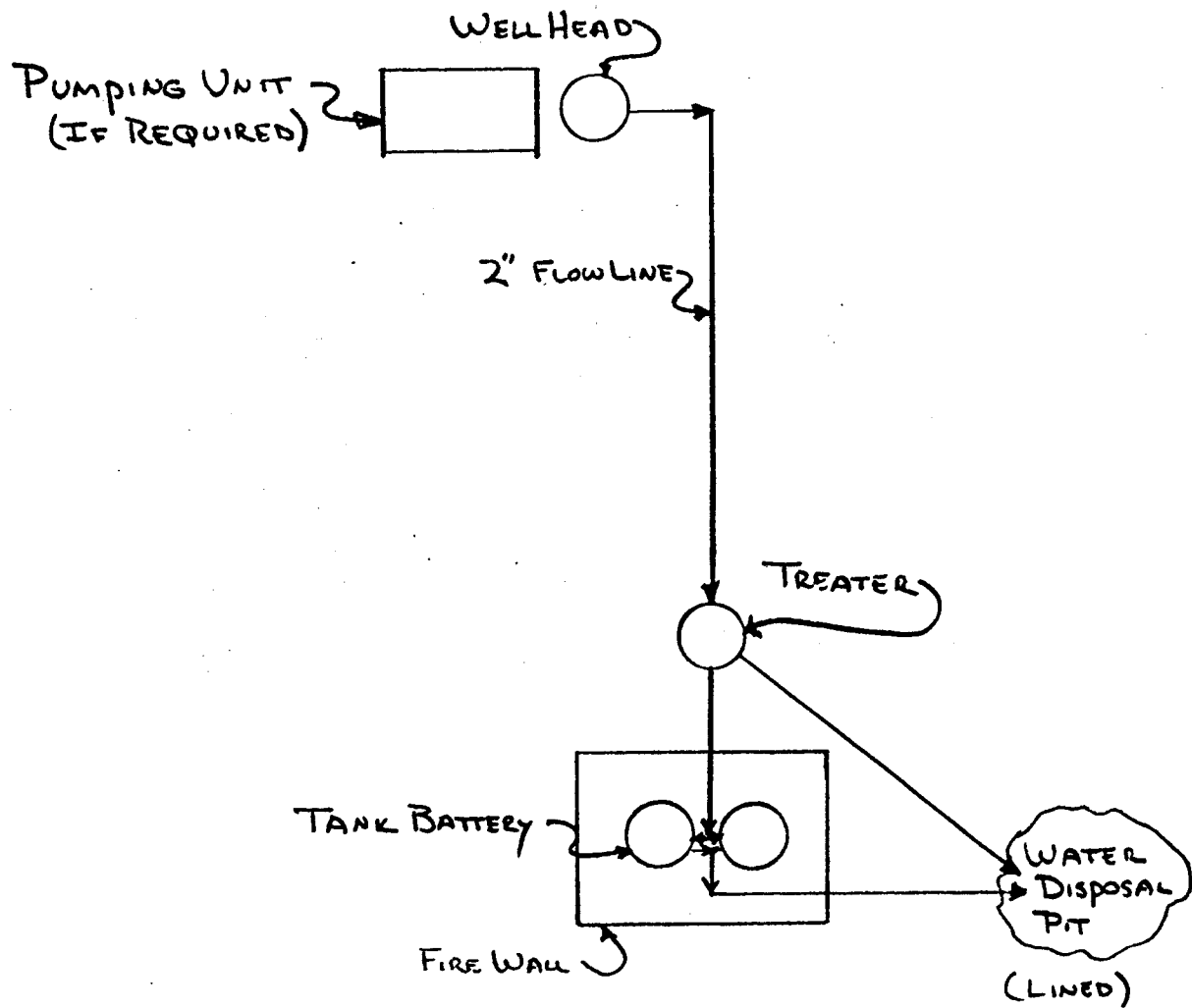
John I. Gordon,  
Agent for Colt Oil, Inc.

JIG/jmt

cc: Mr. Grant Gaeth - Colt Oil, Inc.

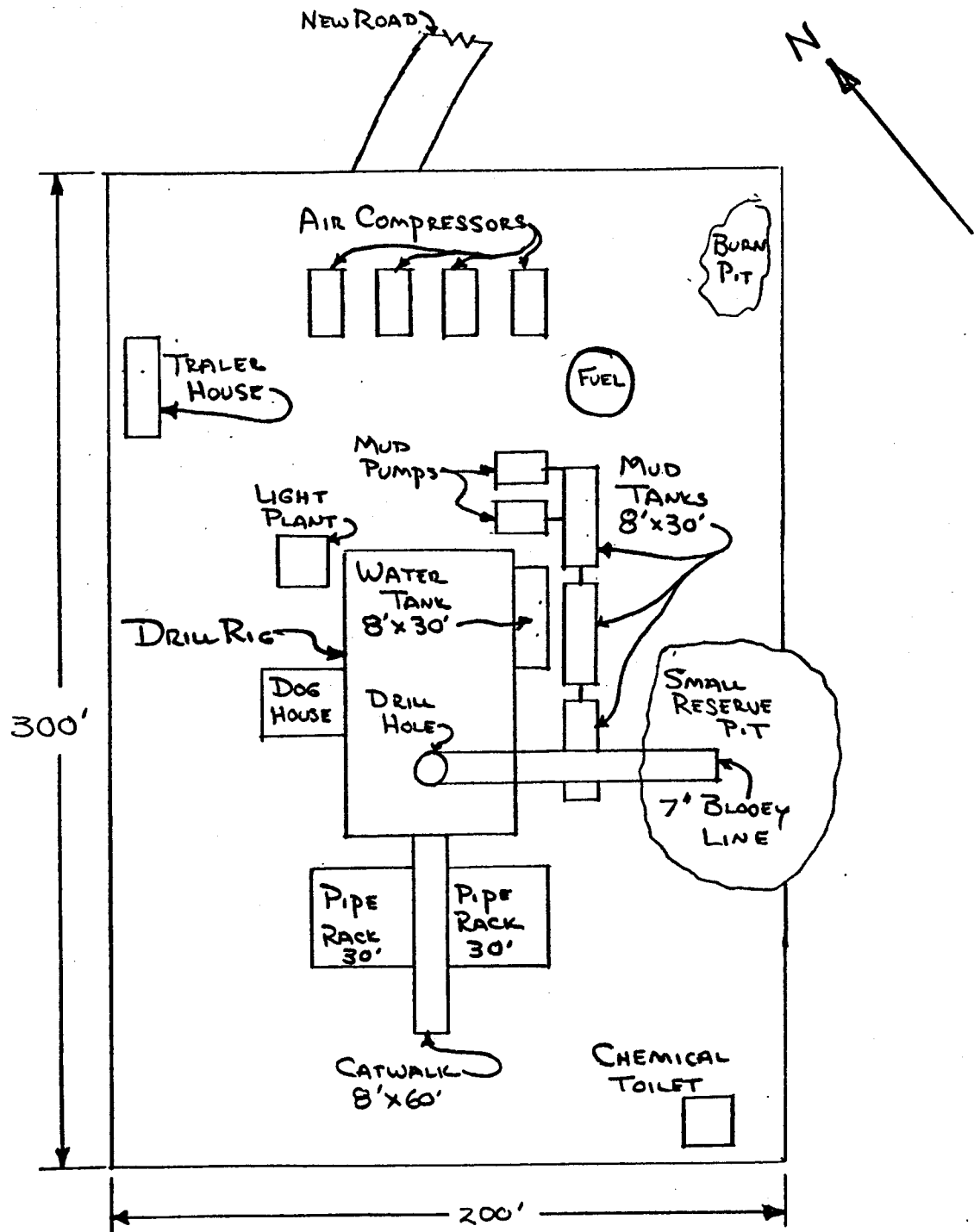
# PLAT No. 2

## TYPICAL PRODUCTION EQUIPMENT



WELL IS TO BE PRODUCED BY EITHER  
NATURAL OR ARTIFICIAL LIFT

PLAT No. 3  
TYPICAL LOCATION LAYOUT

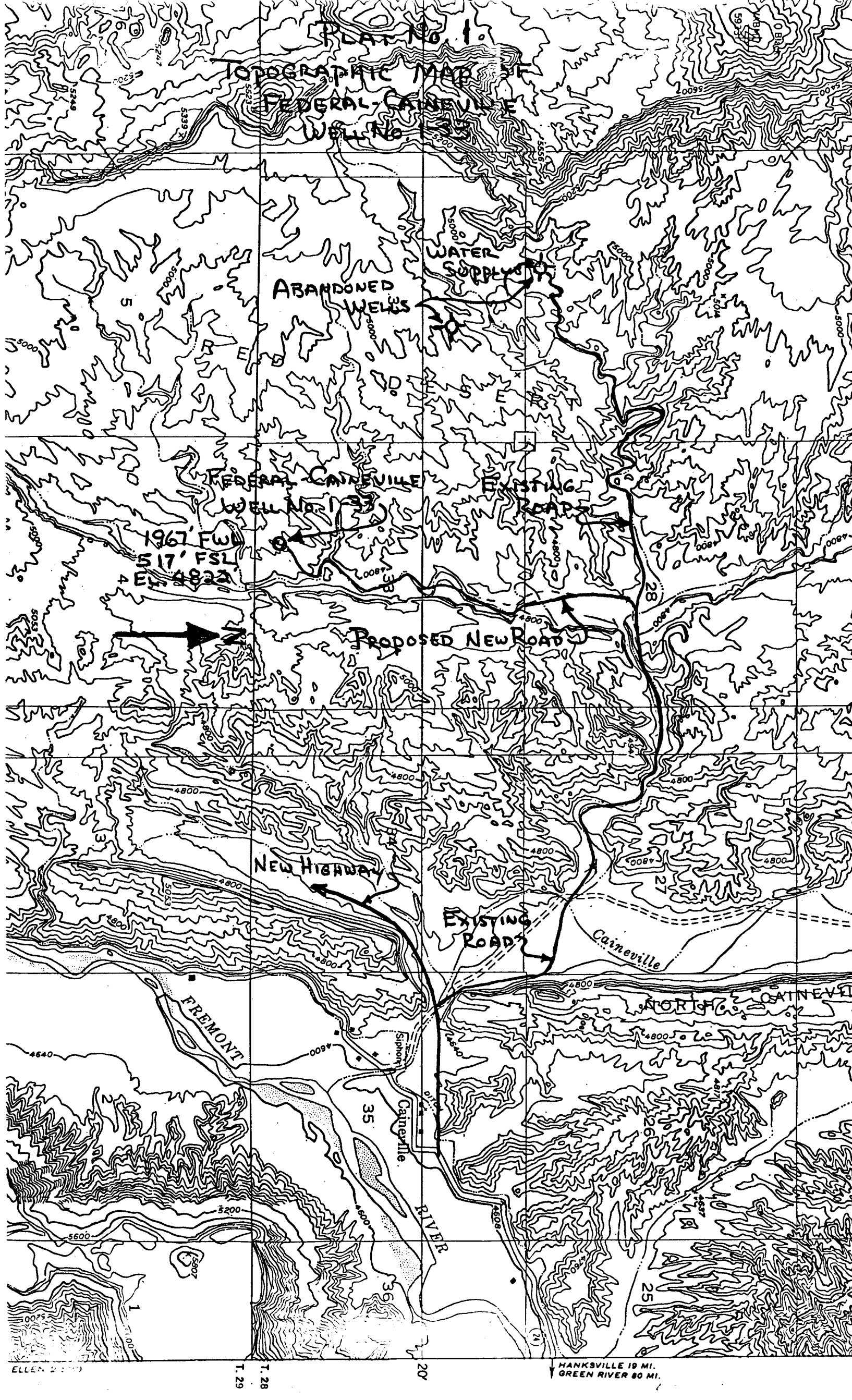


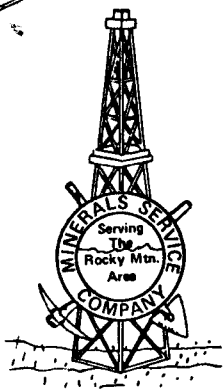
NO SCALE



PLAN No. 1.

TOPOGRAPHIC MAP OF  
FEDERAL CAINEVILLE  
Well No. 133





# MINERALS SERVICE COMPANY

P. O. Box 614, 2916 Hiway 6 & 24, Grand Junction, Colorado 81501

Telephone 303 / 245-2335

March 10, 1975

Re: Federal-Caineville  
Well No. 1-33  
Wayne County, Utah  
Our File: MSC-8-75

Mr. Edgar W. Gynn,  
Acting District Engineer  
United States Geological Survey  
8426 Federal Building  
Salt Lake City, Utah 84138

Dear Mr. Gynn:

The following seven (7) point well control program is hereby submitted for the above well.

1. Surface casing: New 13 3/8" diameter 48#/ft. Grade H-40, Range 2 (30' lengths) casing will be used. Proposed setting depth is 200 feet.
2. Size and series of casingheads, flanges, and spools: Casinghead will be 2000 psi working pressure, 4000 psi test pressure or equivalent. All flanges will be 10" series 900 rated at 3000 psi working pressure.
3. Intermediate casing: New 9 5/8" diameter 36#/ft. Grade H-40, Range 2 (30 ft. lengths) casing will be used for the intermediate string. Proposed setting depth is 1200 feet. If productive, new 5 1/2" diameter 14#/ft. Grade K-55, Range 2 (30 ft. lengths) casing will be set for production.
4. Blowout Preventers: A Shaffer 10" series 900 double hydraulic blowout preventer with accumulator will be used. In addition to the blind rams, 3 1/2" pipe rams will be used. A 2" choke line with a positive and adjustable choke will be attached to the BOP.
5. Auxillary equipment consists of: A kelly cock, a Baker 4R float valve at the bit, a full opening safety valve on the rig floor, and a Schaffer rotating head with a 7" blooey line.
6. Bottom Hole pressure: Previous drilling indicates no abnormal pressures in the immediate area.
7. Types of drilling fluid: Water base chemical-gel drilling mud will be used to

Page 2

To: Mr. Edgar W. Gwynn  
From: Mr. John I. Gordon  
Date: March 10, 1975

drill surface and intermediate depths. Air, air-mist, or aerated mud is to be the primary drilling medium for the remainder of the hole.

Should you require amplification of any of these points, or need additional information, please contact me.

Very truly yours,

**Original Signed By**  
**JOHN I. GORDON**

John I. Gordon,  
Agent for Colt Oil Inc.

JIG/jmt

cc: Mr. Grant I. Gaeth, Colt Oil Inc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Colt Oil Incorporated

## 3. ADDRESS OF OPERATOR

P. O. Box 614, Grand Junction, Colorado 81501

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1967' FWL, 517' FSL, Sec. 33, T28S, R8E, Wayne County,  
Utah.

At proposed prod. zone

N.A.

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

25 miles West of Hanksville, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 517'

## 16. NO. OF ACRES IN LEASE

2559.22

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. No other wells

## 19. PROPOSED DEPTH

3800'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4822' G.L.

## 22. APPROX. DATE WORK WILL START\*

April 5, 1975

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48# *	150'	Cement to Surface
12 1/4"	9 5/8"	36# *	1200'	200 Sx.
7 7/8"	5 1/2"	14# *	3800'	150 Sx.

\*Casing weights may vary due to availability.

API No. 43-053-30021

## Proposed Drilling Program:

1. Drill to a depth of about 200 ft. and set surface casing.
2. Pressure test BOP and surface casing.
3. Drill out and drill to a total depth of about 1200' with mud. Set 9 5/8" casing to effect a Navajo water shut off.
4. Drill with a 7 7/8" hole to about 3800' using air, air-mist, or aerated mud. If productive zones are found 5 1/4" casing will be run, otherwise, the well will be plugged and abandoned. Permission will be obtained before plugging.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

Original Signed By  
JOHN L. GORDON

SIGNED

TITLE Agent

DATE 3-10-75

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

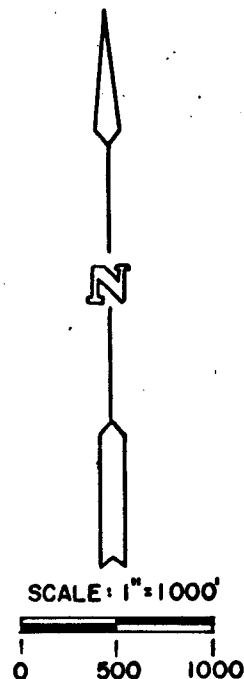
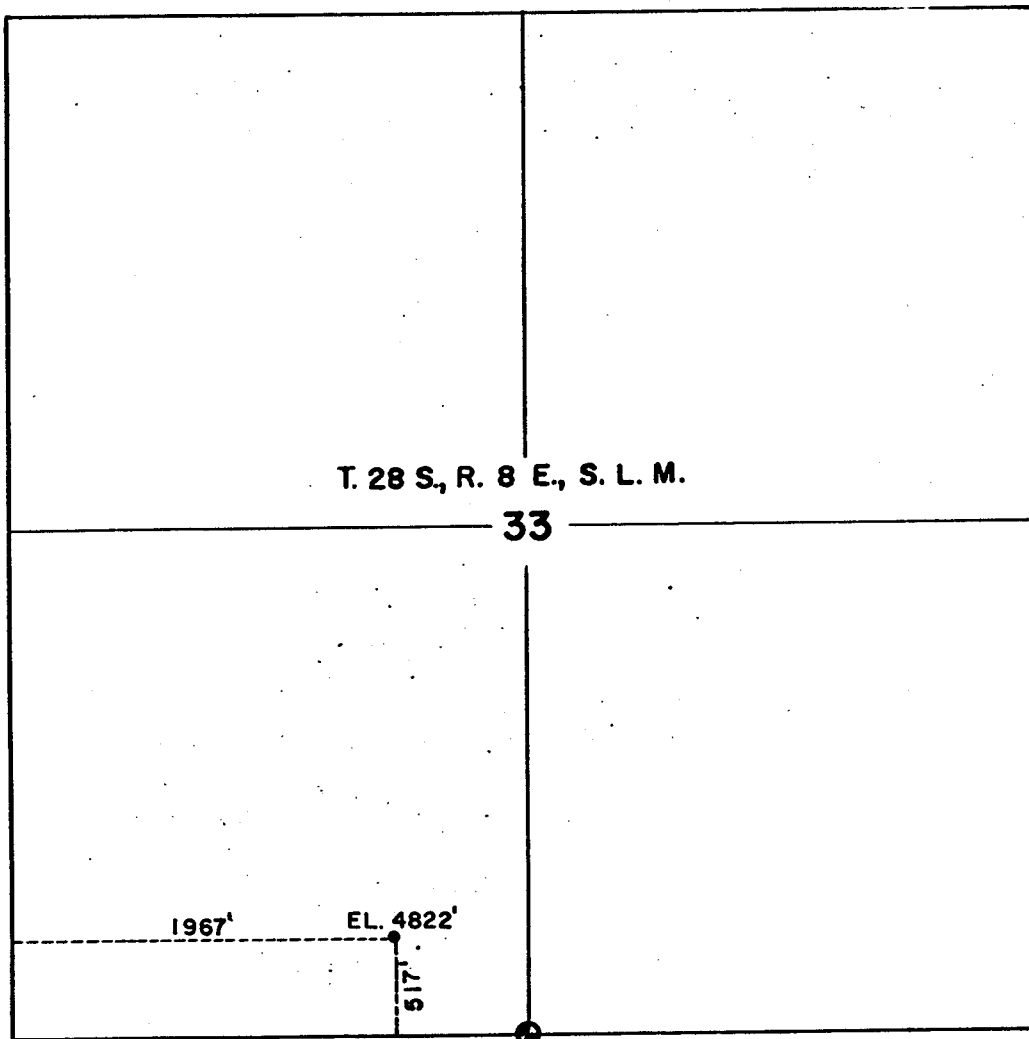
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

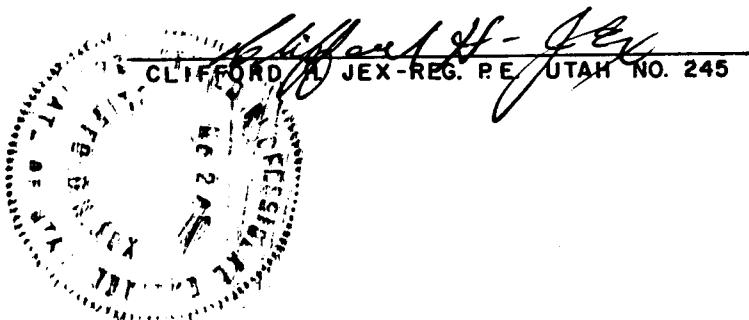


# **CERTIFICATE OF SURVEY**

THIS IS TO CERTIFY THAT ON MARCH 8, 1975,  
A WELL LOCATION SURVEY UNDER MY SUPERVISION  
WAS MADE BY HAROLD R. COPE.  
THE LOCATION AND ELEVATION OF SAID WELL  
WERE FOUND TO BE AS SHOWN ON THIS MAP

## **LEGEND**

- WELL LOCATION
- U. S. G. L. O. BRASS CAP



*Revised*



**MAP OF THE  
FEDERAL CAINEVILLE 1-33  
WELL LOCATION**  
WAYNE COUNTY, UTAH

**MINERALS SERVICE COMPANY**  
GRAND JUNCTION, COLORADO

SURVEYED BY H.R.C.	SCALE 1"=1000'	DRAWN BY M.E.L.	JOB NUMBER MSC-8-75
STATED BY J.I.G.	DATE 3-10-75	CHECKED BY J.I.G.	

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City  
SERIAL NO.: U-8706

and hereby designates

NAME: Colt Oil Incorporated  
ADDRESS: Suite 1270, 633 Seventeenth Street, Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

SW/4 Section 33, T28S, R8E.  
Wayne County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

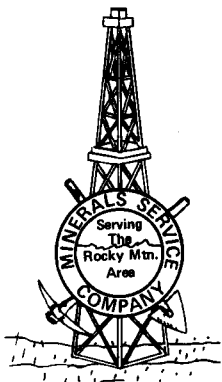
The lessee agrees promptly to notify the supervisor of any change in the designated operator.

.....  
(Signature of lessee)  
Joseph D. Kennedy

2/13/75

(Date)

P.O. Box 935  
Stephenville, Texas 76401



# MINERALS SERVICE COMPANY

P. O. Box 614, 2916 Hiway 6 & 24, Grand Junction, Colorado 81501  
Telephone 303 / 245-2335

March 10, 1975

Re: Federal-Caineville  
Well No. 1-33  
Wayne County, Utah  
API No. 43-053-30021  
Our File: MSC-8-75

Mr. Cleon B. Feight, Director  
Utah Division of Oil and Gas  
Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

*Revised  
Feight*

Dear Mr. Feight:

We are enclosing a copy of the information submitted to the USGS which pertains to drilling the above well. Should you have any questions or need additional information, please contact me. Phone: 303-245-2335 or residence 303-243-9599.

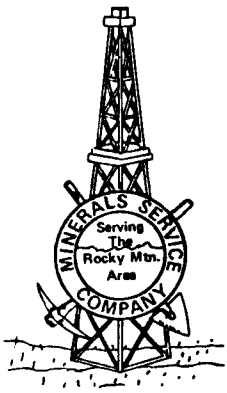
Sincerely,

John I. Gordon,  
Agent for Colt Oil Inc.

JIG/jmt

Enclosures

cc: Mr. Grant I. Gaeth, Colt Oil Inc.



# MINERALS SERVICE COMPANY

P. O. Box 614, 2916 Hiway 6 & 24, Grand Junction, Colorado 81501  
Telephone 303 / 245-2335

March 10, 1975

Re: Federal-Caineville  
Well No. 1-33  
API No. 43-053-30021  
Wayne County, Utah  
Our File: MSC-8-75

Mr. Edgar W. Guynn,  
Acting District Engineer  
United States Geological Survey  
8426 Federal Building  
Salt Lake City, Utah 84138

*Revised  
Footage*

Dear Mr. Guynn:

We are enclosing an application for permit to drill the above well. Included with the application is our seven point well control plan, twelve point development plan for surface use, a copy of the bond, and a completed Designation of Operator form. Also, we have requested that Colt Oil Inc. submit a letter designating me as their agent directly to you.

Should you require any additional information, please advise.

Very truly yours,

John I. Gordon,  
Agent for Colt Oil Inc.

JIG/jmt  
Enclosures

cc: Mr. Grant I. Gaeth, Colt Oil Inc.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8706

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal-Caineville

9. WELL NO.

1-33

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND

SURVEY OR AREA  
Sec. 33, T28S, R8E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4823' G. L.

12. COUNTY OR PARISH

Wayne

13. STATE

Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Spudding &amp; setting casing

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

API No. 43-053-30021

Well Spudded on 5-5-75.

Set 13 3/8" - 48# Surface casing set at 100' with 85 Sx.  
Cemented to surface with good returns.Set 8 5/8" - 24# & 28.5# Intermediate casing set at 1400' with 720 Sx.  
Cemented to surface.Drill site survey is attached. The location was moved slightly as requested by the  
U.S.G.S. This survey was made after the rig had moved onto the location.

18. I hereby certify that the foregoing is true and correct

Original Signed By  
SIGNED JOHN I. GORDON

TITLE Agent

DATE 5-13-75

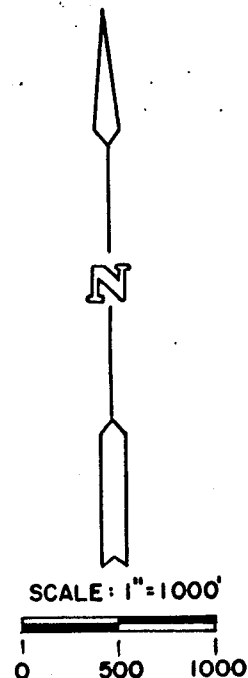
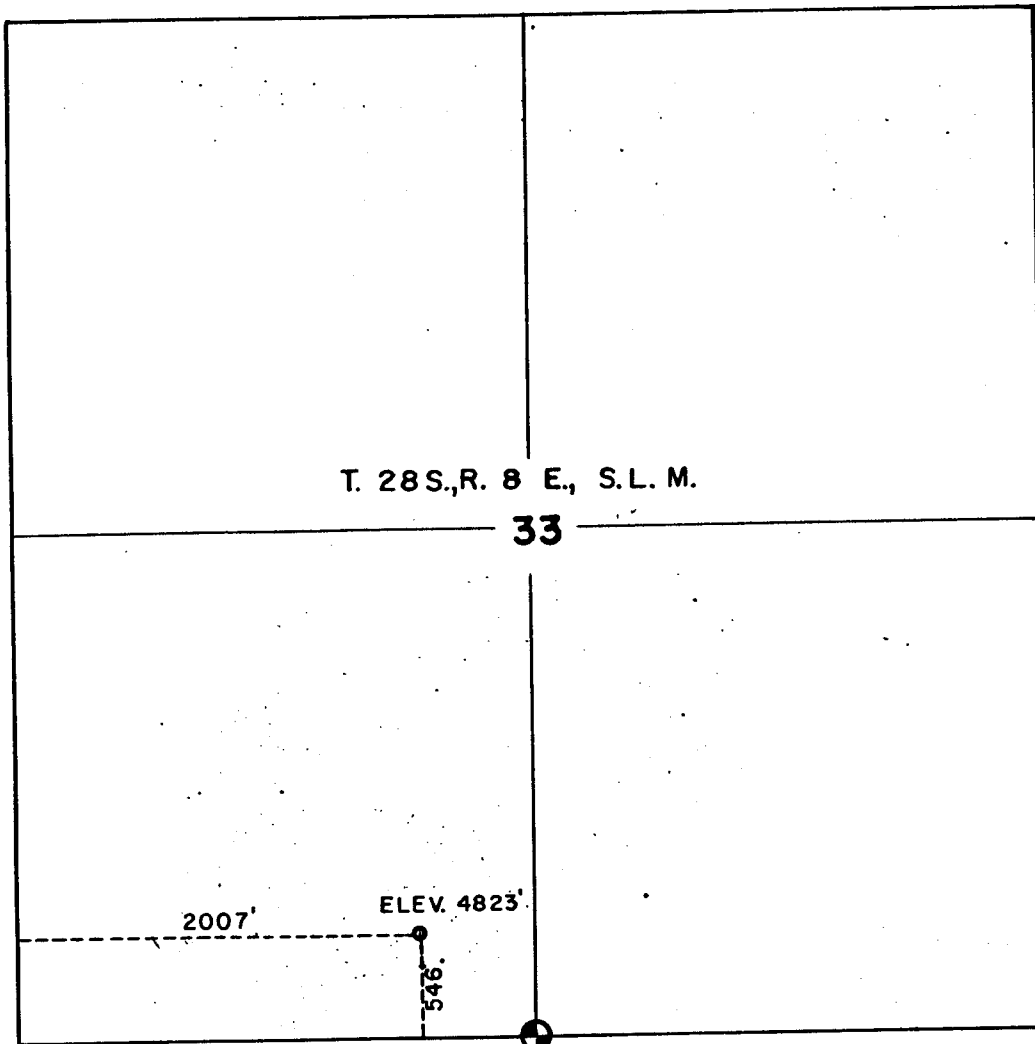
(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side



### CERTIFICATE OF SURVEY

THIS IS TO CERTIFY THAT ON MAY 8, 1975,  
A WELL LOCATION SURVEY UNDER MY SUPERVISION  
WAS MADE BY JOHN I GORDON.  
THE LOCATION AND ELEVATION OF SAID WELL  
WERE FOUND TO BE AS SHOWN ON THIS MAP.

*Clifford H. Jex*  
CLIFFORD H. JEX, REG. P.E. UTAH NO. 245

### LEGEND

- WELL LOCATION
- U.S.G.L.O. BRASS CAP



MAP OF THE  
FEDERAL - CAINEVILLE 1-33  
WELL LOCATION  
WAYNE COUNTY, UTAH

**MINERALS SERVICE COMPANY**  
GRAND JUNCTION, COLORADO

SURVEYED BY J. I. G.	SCALE 1" = 1000'	DRAWN BY M. E. L.	JOB NUMBER M.S.C.-8-75
STAKED BY J. I. G.	DATE 5-8-75	CHECKED BY J. I. G.	

LAND OFFICE \_\_\_\_\_  
LEASE NUMBER \_\_\_\_\_  
UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wayne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 19 75,

*Agent's address* P. O. Box 614 *Company* Colt Oil Incorporated  
Grand Junction, Colorado *Signed* Original Signed By  
JOHN L. CORBIN

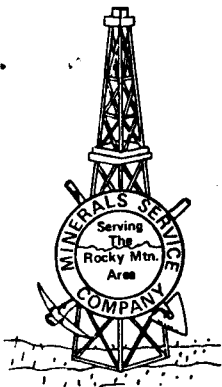
Phone 303-245-2335 Agent's title Agent

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 33 SE¼SW¼	28S	8E	1-33	API -	No. 43-053-30021 -			-	-	Spudded 5-5-75 P & A 5-24-75

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



# MINERALS SERVICE COMPANY

P. O. Box 614, 2916 Hiway 6 & 24, Grand Junction, Colorado 81501  
Telephone 303 / 245-2335

June 6, 1975

Re: Federal-Caineville Well  
No. 1-33  
Wayne County, Utah  
Our File: MSC-8-75

Mr. E. W. Guynn, District Engineer  
United States Geological Survey  
8426 Federal Building  
Salt Lake City, Utah 84138

Dear Mr. Guynn:

We are enclosing the Sundry Notice requesting approval to P & A the above referenced well. Along with the completion log and Lessee's Monthly Report of Operations. Please note that we did not set the surface plug and marker. The well has been sold to Intermountain Power Project, P. O. Box B.B., Sandy, Utah. Intermountain intends to use the well as a potential water producer, and they are to be responsible for all operations concerning the well, including reclamation.

Has Intermountain filed an Operators Bond on this lease, or portion thereof? If they have, could we cancel our Bond and have it returned? We appreciate the efforts of your office in working with us, and should you have any questions, please contact me.

Very truly yours,

John I. Gordon,  
Agent for Colt Oil Inc.

JIG/jmt

Enclosures

cc: Cleon B. Feight, w/encl.  
Grant I. Gaeth, w/encl.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Colt Oil Incorporated						5. LEASE DESIGNATION AND SERIAL NO. U-8706	
3. ADDRESS OF OPERATOR P. O. Box 614, Grand Junction, Colorado 81501						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2007' FWL, 546' FSL, Sec. 33, T28S, R8E, Wayne County, Utah At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO. API No. 43-053-30021						8. FARM OR LEASE NAME Federal-Caineville	
DATE ISSUED 5-1-75						9. WELL NO. 1-33	
15. DATE SPUDDED 5-5-75						10. FIELD AND POOL, OR WILDCAT Wildcat	
16. DATE T.D. REACHED 5-24-75						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 33, T28S, R8E, S.L.M.	
17. DATE COMPL. (Ready to prod.) P & A						12. COUNTY OR PARISH Wayne	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4823' G.L.						13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 3700'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		19. ELEV. CASING HEAD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* White Rim 3600'		23. INTERVALS DRILLED BY →		ROTARY TOOLS X		CABLE TOOLS	
26. TYPE ELECTRIC AND OTHER LOGS RUN IES Gr-Density		25. WAS DIRECTIONAL SURVEY MADE No		27. WAS WELL CORED Yes			
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13 3/8	48	100	17 1/2"	85 Sx Reg. w/2% CaCl <sub>2</sub>		None	
8 5/8	(28.5) (24)	(400-1400') (400')	12 1/4"	Cement to surface 720 Sx Reg. w/2% CaCl <sub>2</sub> Cement to surface		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				3475-3700	66 Sx Plug		
				2425-2500	30 Sx Plug		
				1350-1400	15 Sx Plug		
33.* PRODUCTION							
DATE FIRST PRODUCTION P & A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
Original Signed By SIGNED JOHN I. GORDON				TITLE Agent		DATE 6-6-75	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# ACTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, by both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Kaibab	3469		Core #1 3487'-3537' Rec. 50' of Dolomite, no shows. DST #2, 3493'-3530', IF 10 min, ISI 30 min, FF 30 min, FSI 60 min, IFP 93-160 PSI, ISIP 1388 PSI, FFP133-333 PSI, FSIP 1388 PSI, IHP 1843 PSI, FHP 1816 PSI, Rec. 677' of water and mud. $R_w=2.4$ @ 57°F.
White Rim	3600		Core #2 3615'-3637' Rec. 21 1/2' Sandstone with 1'-3' beds of Interbedded Dolomite. DST #1, 3595'-3700' IF 10 min, ISI 30 min, FF 75 min, FSI 75 min, IFP 120-287 PSI, ISIP 1401 PSI, FFP 828-1401 PSI, FSIP 1415 PSI, IHP 1857 PSI, FHP 1857 PSI, recovered 3191' of slightly muddy water. $R_w=2.4$ @ 80°F.

## 38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Entrada	Surface	
Carmel	400'	
Navajo	710'	
Chinle	2323'	
Shinarump	2569'	
Moenkopi	2586'	
Sinbad	3366'	
Kaibab	3469'	
White Rim	3600'	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Federal Caineville Well No. 1-33, API 43-053-30021

Operator Colt Oil Inc.

Address 633 17th Street, Suite 1270, Denver, Colorado 80202

Contractor Willard Pease Drilling Co.

Address P. O. Box 548, Grand Junction, Colorado 81501

Location SE 1/4, SW 1/4, Sec. 33; T. 28 N; R. 8 E; Wayne County  
2007' FWL 546' FSL  
S W

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From- To-	Flow Rate or Head -	Fresh or Salty -
1.	<u>623'</u> <u>2323'</u>	<u>Heavy Flow-Unknown Volume</u>	<u>Est. 2,000-4,000 PPM</u>
2.	<u>2569'</u> <u>2582'</u>	<u>Possible Water</u>	<u>Fresh</u>
3.	<u>3470'</u> <u>3530'</u>	<u>Water Unknown Flow</u>	<u>Fresh</u>
4.	<u>3600'</u> <u>3700' TD</u>	<u>DST - Good Flow</u> <u>3200 ft. water column</u>	<u>Fresh</u>
5.			

(Continue on Reverse Side if Necessary)

Formation Tops:

Entrada	Surface	Moenkopi	2586'
Carmel	400'± KB	Sinbad	3366'
Navajo	710'	Kiabab	3469'
Chinle	2323'	White Rim	3600'
Shinarump	2569'		

- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.  
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIP DATE  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8706

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal-Caineville

9. WELL NO.

1-33

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 33, T28S, R8E, S.L.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4823 G.L.

12. COUNTY OR PARISH

Wayne

13. STATE

Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

☐  
☐  
☒  
☐  
☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐  
☐  
☐  
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☒  
☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

API No. 43-053-30021

Verbal approval to plug and abandon obtained by Mr. Grant I. Gaeth at 8:00 P.M. on 5-24-75.

Plugs set as follows:

Total Depth	3700'
3475-TD	66 Sx Regular Cement
2425-2500	30 Sx Regular Cement

Intermediate 8 5/8" Casing set at 1400'	
1350-1400	15 Sx Regular Cement

No surface marker has been placed in the well. Intermountain Power Project, P. O. Box BB, Sandy, Utah purchased the hole as a potential water well.

18. I hereby certify that the foregoing is true and correct

Original Signed By  
SIGNED JOHN I. GORDON

TITLE Agent

DATE 6-6-75

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side



# ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator Colt Oil, Inc. Representative Mr. Grant Gaeth

Well No. Cameville 1-33 Located SE 1/4 SW 1/4 Sec. 33 Twp 28S Range 8E SLB & M

Lease No. U 8706 Field W/C - Wayne Co., State Utah

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 3700 Size hole and Fill Per Sack 7 7/8" 1400 lb Mud Weight and Top 10' 0" #/gal.

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>13 3/8</u>	<u>100'</u>	<u>85 SX Circ to sur</u>		<u>10 ft cmt plug (0-10') w/req marker in 8 5/8 cs 9</u>		
<u>8 5/8</u>	<u>1400'</u>	<u>320 SX @ shoe</u> <u>400 SX in annulus</u>		<u>* Seal 8 5/8 x 13 3/8" annulus w/ cement</u> <u>1400 1350</u>		<u>50 cmt plug</u>
Formation	Top	Base	Shows			
<u>Entrada</u>	<u>Surface</u>					
<u>Carmel</u>	<u>400'</u>					
<u>Navajo</u>	<u>710</u>					
<u>Kayenta</u>						
<u>Wingate</u>						
<u>Chinle</u>	<u>2335</u>					
<u>Moenkopi</u>				<u>2500</u>	<u>2425</u>	<u>75 ft cmt plug</u>
<u>Kiabab</u>	<u>3478</u>			<u>3600</u>	<u>3475'</u>	<u>125 ft cmt plug</u>
<u>White Rim</u>	<u>3602</u>			<u>3700</u>	<u>3600</u>	<u>100 ft cmt plug</u>

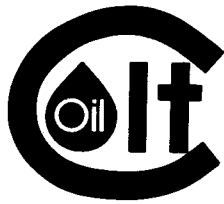
## Remarks

DST's, lost circulation zones, water zones, etc. DST #1: 3595-TD - Rec 3200'  
of muddy wtr (4 1/2" DP) wtr stood at about 400' (KB) Navajo wtr below  
8 5/8" cs 9 First wtr @ 623' (Navajo wtr est 1000-4000 ppm)  
Cored: 3484 to 3534 Rec 50' ; 22' @ 3615'

Approved by E. W. Surgen Date 5/24/75 Time 7:00 AM P.M.

\* Note: Opr pumped 400 SX cmt in 8 5/8 x 13 3/8" annulus.

cc: Operator  
 BLM, Richfield, Utah  
 USGS, Vernal  
 ✓ Oshorn Utah



**COLT OIL INCORPORATED**

First of Denver Plaza, Suite 1270  
633 Seventeenth St. • Denver, Colo. 80202  
phone (303) 534-3460

August 22, 1975

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Patrick L. Driscoll  
Chief Petroleum Engineer

Re: Federal - Caineville  
Well No. 1-33  
A.P.I. No. 43-053-30021  
Wayne County, Utah

Dear Mr. Driscoll:

The water was not analyzed by Colt Oil; however, the well has been taken over by the Intermountain Power Project, P.O. Box BB, Sandy, Utah 84070, as a water observation well and probably has been analyzed by them.

Sincerely,

*Grant I. Gaeth*  
Grant I. Gaeth *ayp*

GIG:d

*Sorry Jim  
looks like dead end here  
R*



CALVIN L. RAMPTON  
*Governor*

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116

GUY N. CARDON  
*Chairman*

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
JAMES P. COWLEY  
HYRUM L. LEE

CLEON B. FEIGHT  
*Director*

May 6, 1976

Colt Oil  
P. O. Box 614  
Grand Junction, Colorado

Re: Well No. Caineville 1-33  
Sec. 33, T. 28S, R. 8E  
Wayne County, Utah

Gentlemen:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER  
RECORDS CLERK

Schlumberger		COMPENSATED FORMATION DENSITY LOG	
COMPANY COLT OIL COMPANY			
WELL 1-33 FEDERAL CALNEVILLE			
FIELD WILDCAT			
COUNTY WAYNE STATE UTAH			
Location		API Serial No.	
Sec. 33 Twp. 28S Rge. 8E		IES	
Permanent Datum		Elev. 4815	
Log Measured From		9 Ft. Above Perm. Datum	
Drilling Allowed From		D.F. 4815	
Date 5/25/75			
Run No. ONE			
Depth - Driller 3700			
Depth - Logger 3695			
Base Log Interval 3534			
Top Log Interval 2100			
Casing - Driller 8 3/8 in 1391			
Casing - Logger 7 7/8			
Bit Size 7 CR			
Type Fluid in Hole FULL			
Fluid Level 10.1 70			
Dens. 10.1 70			
pH 10.1 70			
Source of Sample P-1			
Rm (at Meas. Temp. 68 70 F			
Rsd (at Meas. Temp. 1.5 70 F			
Rsc (at Meas. Temp. 1.5 70 F			
Source: Rsd Rsc			
Rm (at BHT 1.2 100 F			
Time Since Core 106			
Max. Rec Temp 77 F			
Equip Location 77 F			
Recorded By G. H. E. L. S. I.			
Witnessed By G. H. E. L. S. I.			

Reproduced By  
Electrical Log Services  
Midland, Texas 79701

REFERENCE K 5367N



### COMPLETION RECORD

SPUD DATE

COMP DATE

BST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

I P

COR

GR

T P

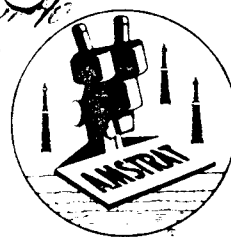
C P

REMARKS:

CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES		SCALE CHANGES	
Depth - Driller		Type Log	Depth
Type Fluid		Scale Up Hole	Scale Down Hole
Source of Sample			
Rm (at Meas. Temp.	100 F		100 F
Rsd (at Meas. Temp.	100 F		100 F
Rsc (at Meas. Temp.	100 F		100 F
Rm (at BHT	100 F		100 F
Dens.	10.1		10.1
pH	10.1		10.1
Water by Vol.			
Oil by Vol.			
Solids by Vol.			
Solids by Gr.			
EQUIPMENT DATA		LOGGING DATA	
Run No.		Liquid Density	Grain Density
Panel No.		Mud Fluid	Porosity Scale
Core No.			From
Skid No.			To
Sample No.			
Source			
Calibrator			
GR Cart.			
VTR			
Mass Panel			
REMARKS		FDC Selections	
Service Order No.		SPT 172 293- RECORD	
PONDITTY RECORDED 1/2 TRACK TO LEFT		SCALE CHANGE INDICATED.	



Phase 1 Report  
CULTOR INC  
501270  
633 17th St.  
Denver, Colo.  
60202



State UTAH County WAYNE  
Well Name COLT OIL COMPANY  
NO. 1-33 FEDERAL-CAINVILLE  
Spot SE SW Sec 33 T 28 S R 8

<div style="writing-mode: vertical-rl; transform: rotate(180deg);">                 E. MAINVILLE             </div>	<div style="border: 1px solid black; width: 150px; height: 100px; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center;">                     33                 </div> </div>	Area	(W)
		Commenced	May 4, 1975
		Completed	May 25, 1975
		Initial Production	D & A

Elevation

KB 4824 Producing 6m

GR 4815

Total Depth **3700** Producing Intervals \_\_\_\_\_

Oldest fm \_\_\_\_\_ Casing 13 3/8" @ 100'  
Cedar Mesa 8 5/8" @ 1400'

## Mechanical Control Used To Adjust Lithology

IES 1400-T.D.  
FDC-GR.

Sample Quality	Sample Quantity	Sample Location	Sample Date	Sample Time	Sample Method	Sample Result	Sample Comment
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11
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14	14	14	14	14	14	14	14
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52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57
58	58	58	58				

Good, except where indicated

Remarks API No. 43-055-30021

Studied by Na 9 10-75

FOR PRIVATE USE 75 BY THE AMERICAN STRATGRAPHY CO.  
NO PART OF THIS LOG MAY BE LOANED, REPRODUCED, COPIED, OR  
GIVEN AWAY WITHOUT THE EXPRESS WRITTEN CONSENT OF THE  
STRATGRAPHY COMPANY

## MECHANICAL LOGS

The log is shown for correlation only and should not be used for engineering computations.

When Dual Induction log is used, the resistivity curve on the original E-Log may or may not have been run on a Logarithmic scale.

Type Fluid in Hole: FGM

Bit Size: 7 7/8"

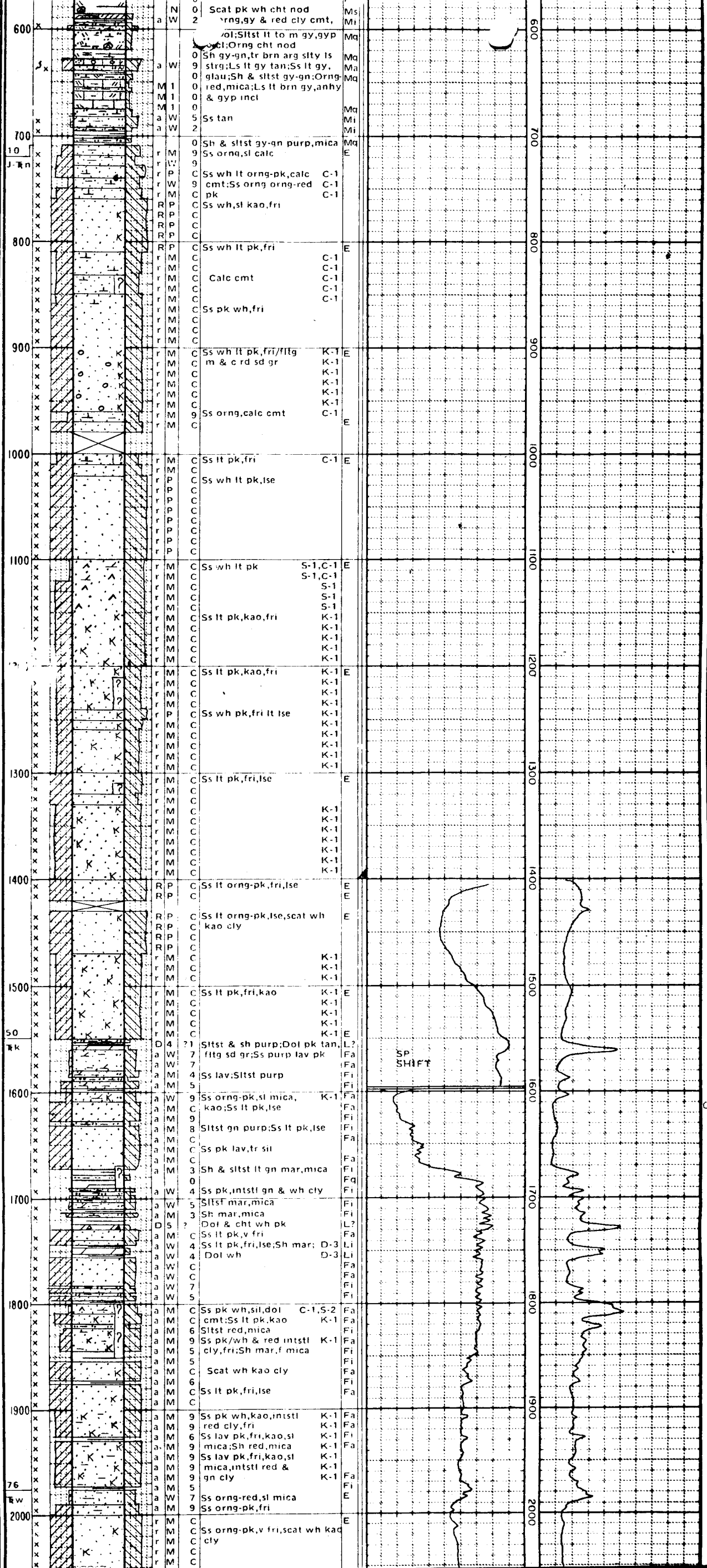
[illegible]

						Spl Study Starts 100 In Summerville		
100	Js	a	W	2	Sh & sltst mar, mica; Ss		Fa	
		a	W	6	orgn, sl mica		Fa	
				0	Scat gyp incl		Fa	
		a	W	3			Fa	
		a	M	3			Fa	
	x	r	M	C	Ss orgn-pk, gyp & calc C-2		Fa	
	x			1	cmt; Sltst mar orgn-red,		Fa	
				0	mica		Fa	
		a	W	0	Ss orgn-red, sl mica		Fa	
	x			0	Sh mar, mica		Fa	
200		r	W	7	Ss orgn, sl mica, scat gyp		E	
00					incl			
	x	r	W	7				
	x	r	W	7				
	x	r	W	7				
	x	r	W	7				
	x	r	W	7				
	x	r	W	7				
	x	r	W	7				
93		r	W	7			E	
Jca	x	r	W	2	Ss orgn; Sh gn mar; Anhy		M	
300				0	wh, gyp strg & incl		M	
		N	N	0	Sltst orgn-red, sl mica		M	
		N	N	0			M	
		N	N	1			M	
				1	Sh & sltst gy-gn, sl mica,		M	
		N	N	0	gyp & anhy incl, cht nod		M	
				0	rr		M	
				0			M	
				0			M	
400		a	W	0	Sltst & sh gy-gn, f mica,		M	
				0	gyp & anhy incl & strg		M	
				2	Ss lt gy, calc & anhy cmt,		M	
				0	tr pk wh cht nod		M	
				0			M	
				1			M	
		N	N	0	Anhy wh; Sh gn, scat cht		M	
		a	W	3	nod, bcm com; Ss lt gy		M	
				0			M	
500		N	N	0	Sh & sltst gy-gn, f mica,		M	
				0	anhy & gyp incl		M	
		N	N	0	Anhy wh, gyo strg, vf xl		M	
		N	N	0			M	



7 7/8"

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			D/C	?	srted; Cly fl frac.	
			D/9	?		
			D/7	?	Dol pk, anhy incl	M-1
70			D/6	?	Dol wh gy; Cht wh; Sh gn	







COMPENSATED FORMATION DENSITY LOG

Schlumberger

COMPANY COLT OIL COMPANY

WELL 1-33 FEDERAL CALNEVILLE

FIELD WILDCAT

COUNTY WAYNE STATE UTAH

Location API Serial No. Other Services:

Sec. 33 Twp. 28S Rge. 8E IES

Permanent Datum G.L. Elev. 4815 Elev.: K.B. 4824

Log Measured From K.B. 9 Ft. Above Perm. Datum D.F.

Drilling Measured From K.B. G.L. 4815

Date 5/25/75

Run No. ONE

Depth - Driller 3700

Depth - Logger 3695

Ben. Log Interval 3694

Top Log Interval 2100

Casing - Driller 85/8 (139)

Casing - Logger 7400

Bit Size 7 7/8

Type Fluid in Hole FCM

Fluid Level FULL

Dens. Visc. 10.1 70

pH Fluid Loss

Source of Sample P1T

Rm (a) Meas. Temp. 68 70 F

Rnd (a) Meas. Temp. 1.3 70 F

Rmc (a) Meas. Temp. 1.3 70 F

Source: Rnd Rmc

Rm (a) BHT 1.2 100 F

Time Since Circ.

Max. Rec. Temp. 106

Equip. Location

Recorded By

Witnessed By

Reproduced By  
Electrical Log Services  
Midland, Texas 79701

REFERENCE K 5367N



COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

I P

GOR

GR

T P

C P

REMARKS:

CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES

SCALE CHANGES

LOGGING DATA

REMARKS

Service Order No.

DATE 2-23-75

POROSITY RECORDED 1/2 TRACK TO LEFT  
SCALE CHANGE INDICATED.

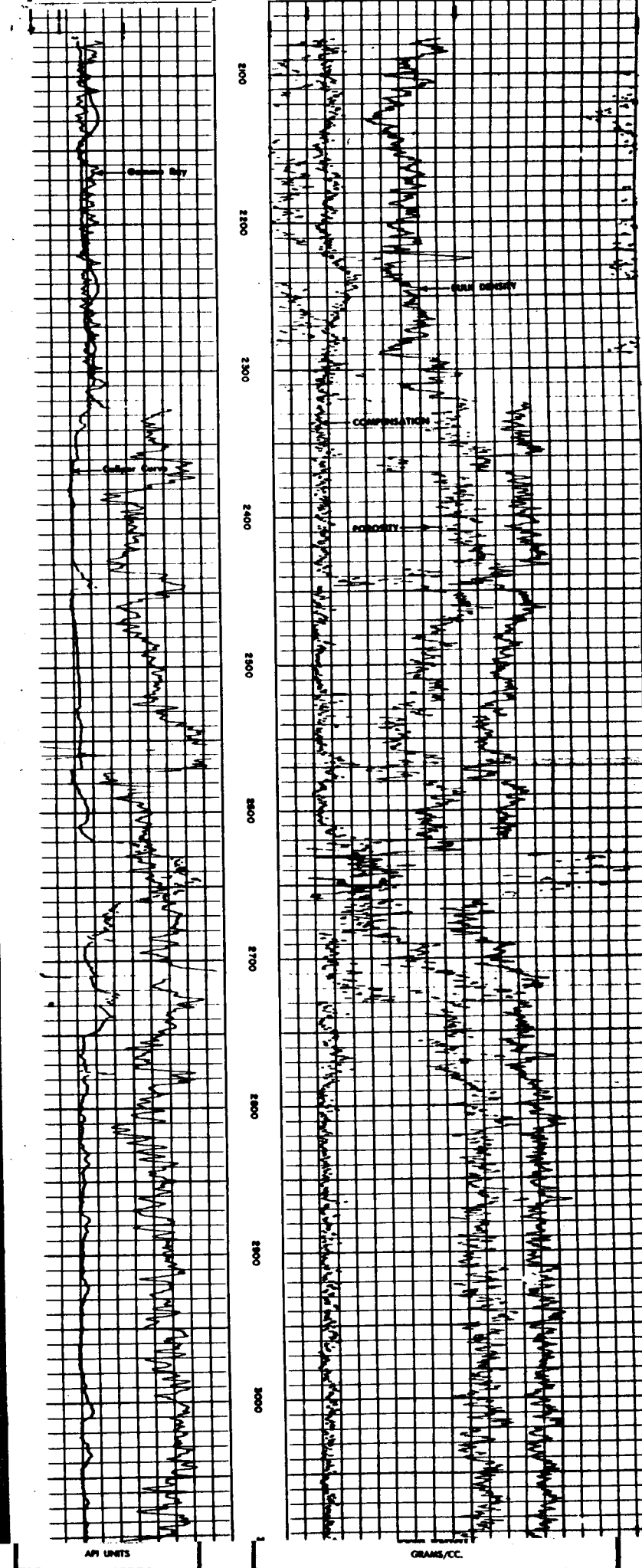
Sonde No. 2-28		REMARKS	
Source		Service Order No.	
Calibrator		TPI 111 2-28	
GR Count 8		POROSITY RECORDED 17.5% TO LEFT	
TTR		SCALE CHANGE INDICATED.	
Main Pos. 8			

CALIBRATION DATA							
Run No.	Gamma Ray		FDC - Before Log - ACPS		FDC - After Log - ACPS		
	API Scale	Background CPS	Total CPS	P <sub>1</sub>	P <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
1	0-200	87		88	544	88	544
2							
3							
4							

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

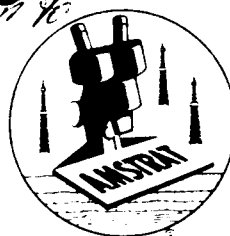
<b>CALIPER</b> HOLE DIAM. IN INCHES  6 16  <b>GAMMA RAY</b> API UNITS  0 150 150 300	DEPTH 20 10 0 -10 -2.71 GM/CC FLUID DENSITY -1.00 GM/CC 0 +.25 CORRECTION GRAMS/CC.	Limestone Porosity-% BULK DENSITY GRAMS CC.





# AMERICAN STRATIGRAPHIC COMPANY

Please refer to  
COLT OIL INC  
SU 1270  
633 17th St.  
Denver, Colo.  
80202



Log No D-4300 Net footage 4110

State UTAH County WAYNE

Well Name COLT OIL COMPANY

NO. 1-33 FEDERAL-CAINVILLE

Spot SE SW Sec 33 T 28 S R 8 E

Area (W)

Commenced May 4, 1975

Completed May 25, 1975

Initial Production D & A

Elevation

KB 4824 Producing fm

GR 4815

Total Depth Producing Intervals

3700

Oldest fm Casing 13 3/8" @ 100';

Cedar Mesa 8 5/8" @ 1400'

Mechanical Control Used To Adjust Lithology

IES 1400-T.D.

FDC-GR

Sample Quality

Good, except where indicated

Remarks API No. 43-055-30021

Studied by No. 9

10-75

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GIVEN AWAY, WITHOUT THE EXPRESS CONSENT OF AMERICAN

STRATIGRAPHIC COMPANY

DESCRIPTION

FORMATION TOPS

FOOTNOTES SHOWS

POBOSITY TYPES

POBOSITY GRADMS

LITHOLOGY

CRYSTAL GRAIN OR

FRAGMENT SIZE

ROUNDING DIA. TYPE

SCORING DIA. OF GRILL

PERCENT OF FRAME WORK

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

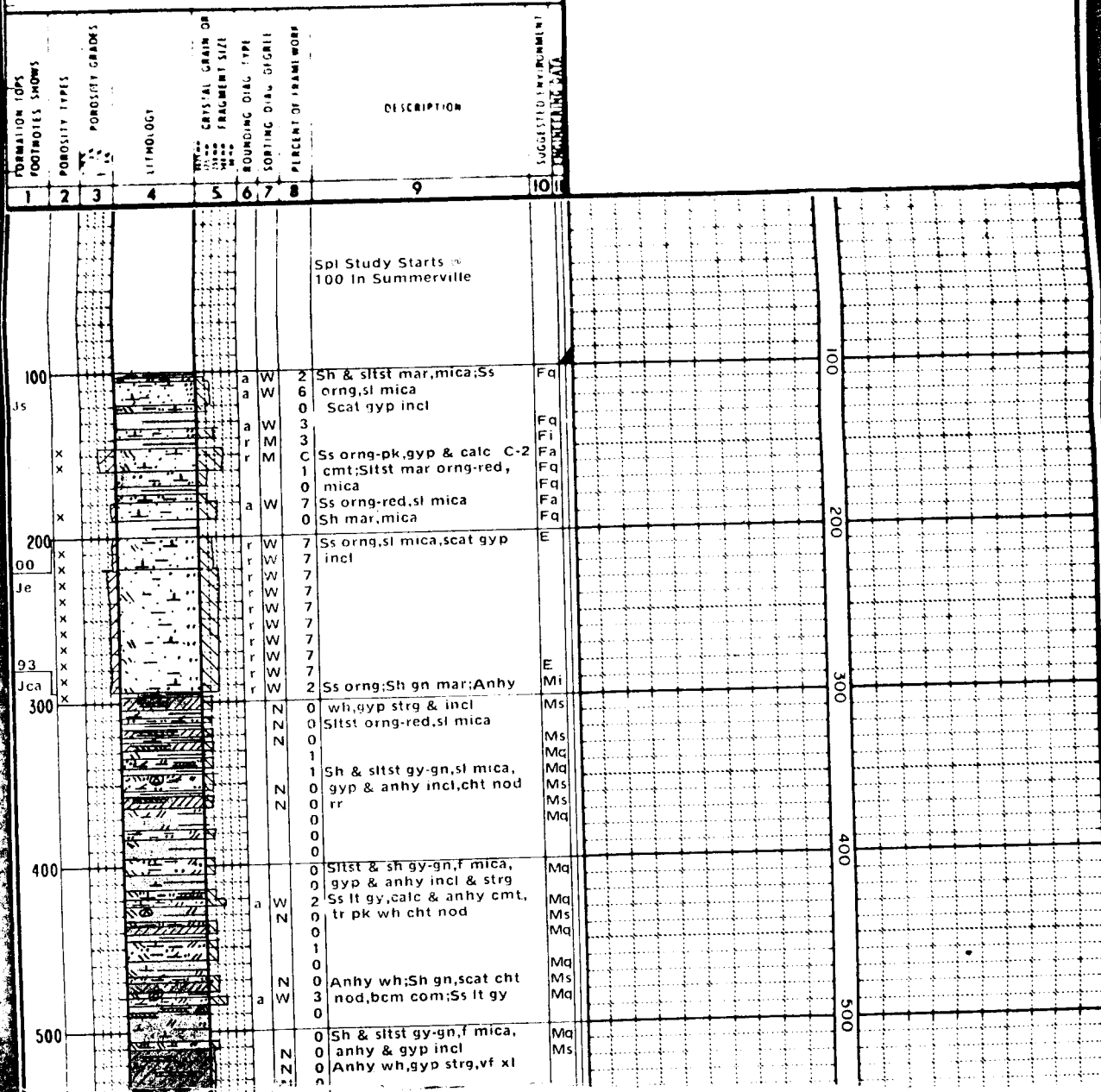
## MECHANICAL LOGS

The log is shown for correlation only and should not be used for engineering computations.

When Dual Induction log is used, the resistivity curve on the original E-Log may or may not have been run on a Logarithmic scale.

Type Fluid in Hole: FGM

Bit Size: 7 7/8"



33  
Sec  
SE SW  
COLT OIL COMPANY

Mechanical Control Used to Adjust Lithology

IES 1400-T.D.  
FDC-GR

Sample Quality

Good, except where indicated

Remarks API No. 43-055-30021

Studied by No. 9

10-75

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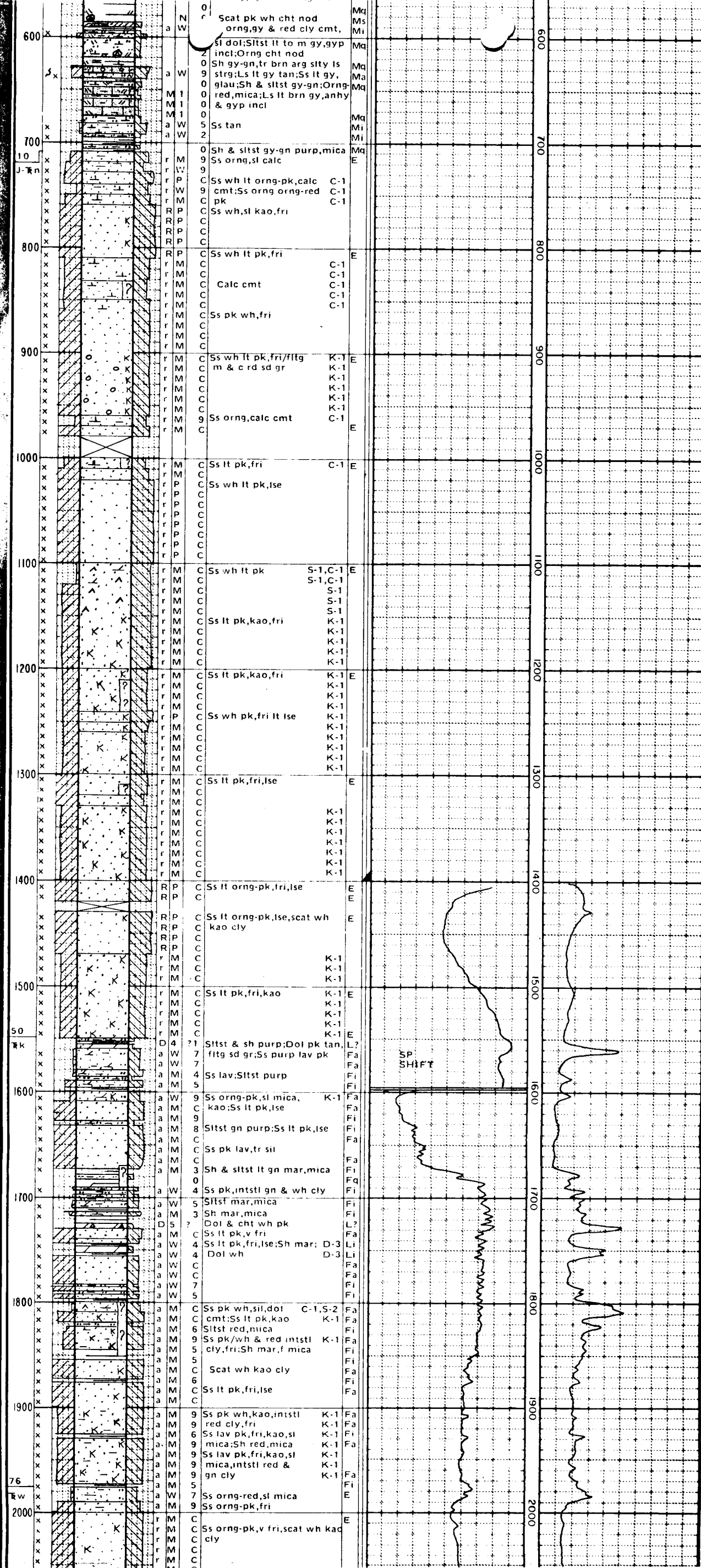
the resistivity curve on the original  
E-Log may or may not have been  
run on a ohmic scale.

Type Fluid in Hole: FGM

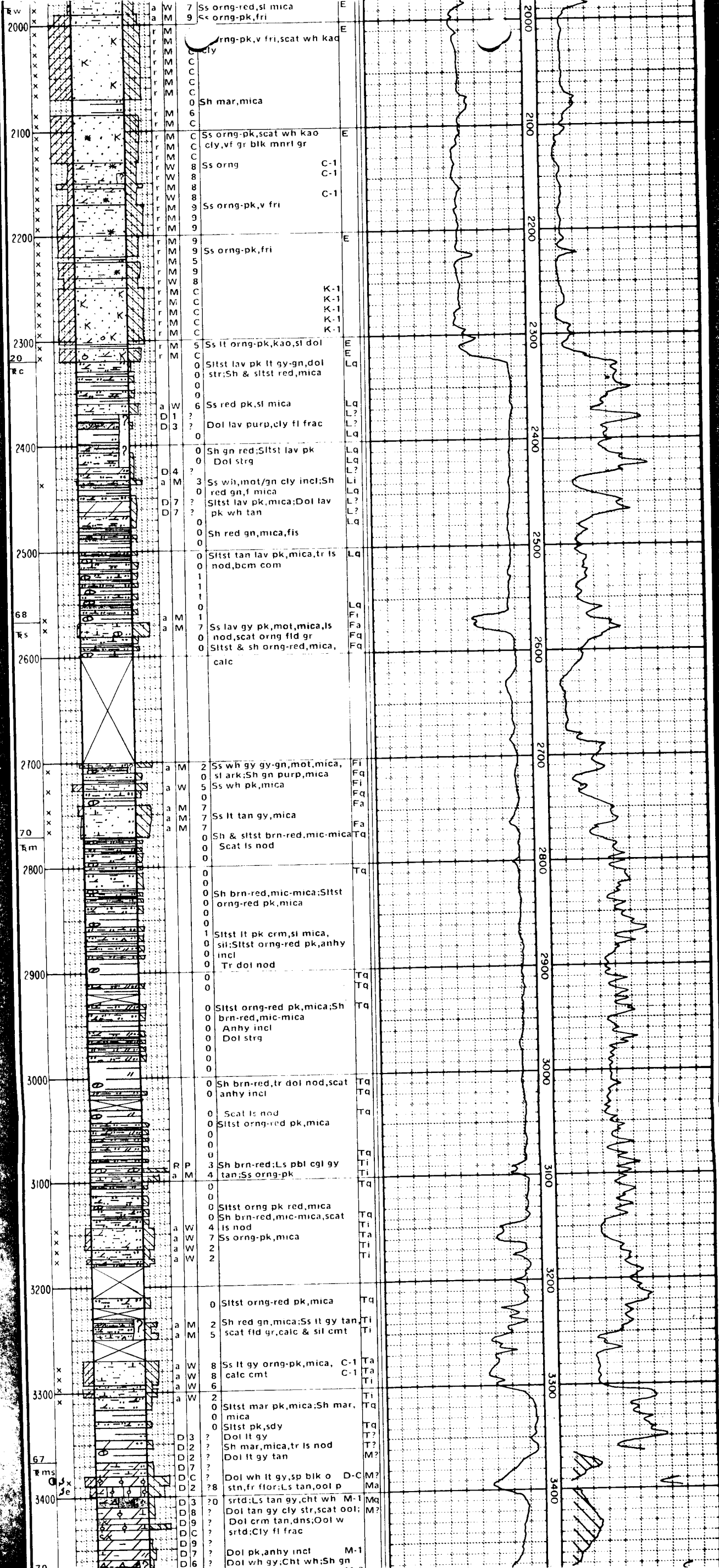
Bit Size: 7 7/8"

FORMATION TOPS FOOTNOTES SHOWS	POSSIBLY TYPES	POSSIBLY GRADES	LITHOLOGY	CRYSTAL GRAIN OR FRAGMENT SIZE	ROUNDING DIAG. TYPE	SORTING DIAG. DEGREE	PERCENT OF FRAMEWORK	DESCRIPTION	SUGGESTED ENVIRONMENT ENGINEERING DATA
1	2	3	4	5	6	7	8	9	10

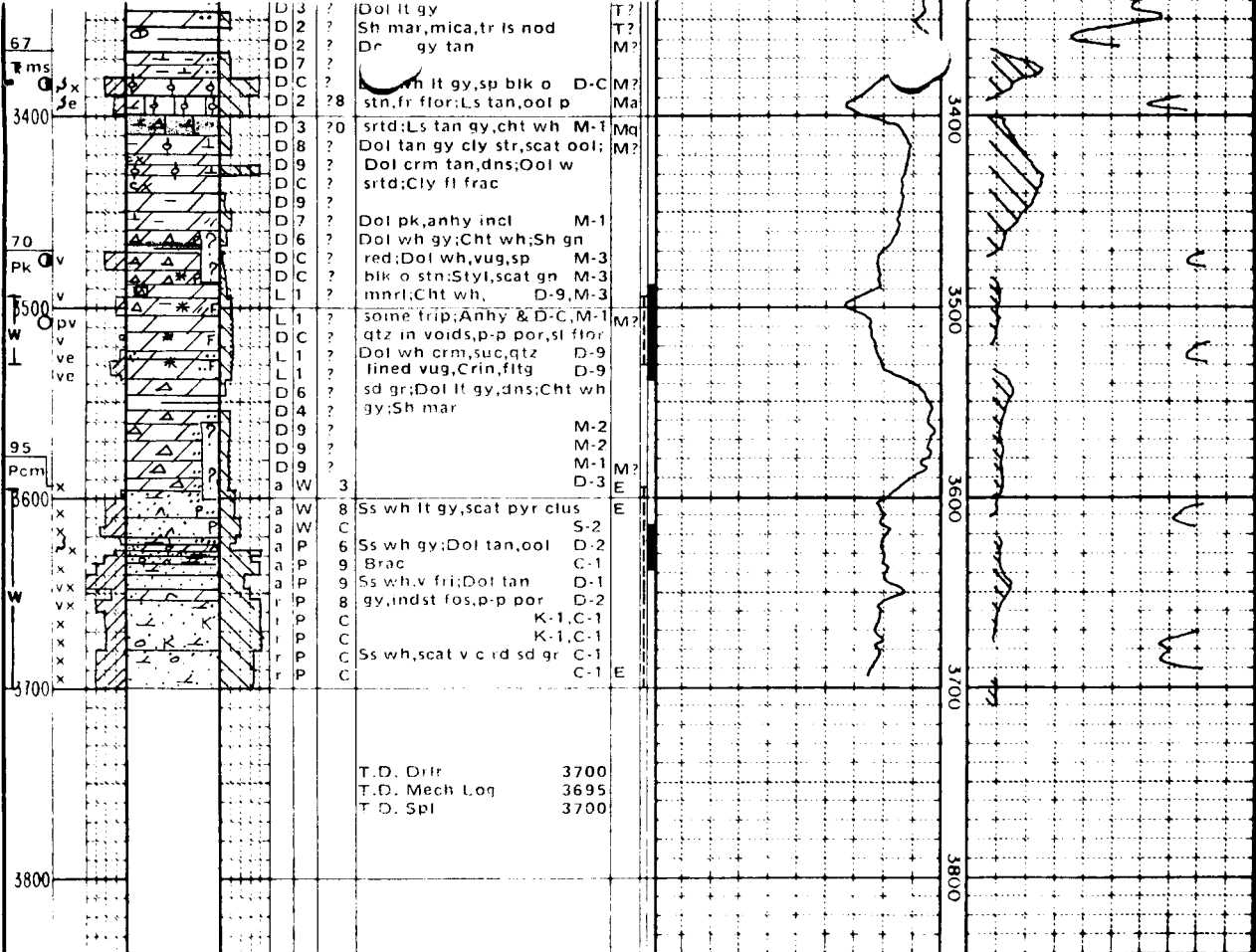
								Spl Study Starts @ 100 In Summerville	
100								2 Sh & sltst mar, mica; Ss 6 orng, sl mica 0 Scat gyp incl	Fq
								3 Ss orng-pk, gyp & calc C-2 1 cmt; Sltst mar orng-red, 0 mica	Fq Fi Fa Fq Fq Fq
								7 Ss orng-red, sl mica 0 Sh mar, mica	Fq Fq
200								7 Ss orng, sl mica, scat gyp 7 incl	E
								2 Ss orng; Sh gn mar; Anhy	E Mi
300								0 wh, gyp strg & incl 0 Sltst orng-red, sl mica	Ms
								1 Sh & sltst gy-gn, sl mica, 0 gyp & anhy incl, cht nod	Ms Mq Mq Ms Ms Mq
400								0 Sltst & sh gy-gn, f mica, 0 gyp & anhy incl & strg 2 Ss lt gy, calc & anhy cmt, 0 tr pk wh cht nod	Mq Mq Ms Mq
								0 Anhy wh; Sh gn, scat cht 3 nod, bcm com; Ss lt gy	Mq Ms Mq
500								0 Sh & sltst gy-gn, f mica, 0 anhy & gyp incl 0 Anhy wh, gyp strg, vf xl	Mq Ms
								1 Dot dk brn, anhy strg; Sh & 0 sltst gy-gn red orng-red	Ms Mq
600								0 Scat pk wh cht nod 2 Ss orng, gy & red cly cmt,	Mq Ms Mi
								1 sl dot; Sltst lt to m gy, gyp 2 incl; Orng cht nod	Mq
								0 Sh gy-gn, tr brn arg slty ls 9 strg; Ls lt gy tan; Ss lt gy, 0 glau; Sh & sltst gy-gn; Orng 0 red, mica; Ls lt brn gy, anhy 0 & gyp incl	Mq Mq Mq
								5 Ss tan	Mq Mi Mi
700								0 Sh & sltst gy-gn purp, mica 9 Ss orng, sl calc	Mq E
								9 Ss wh lt orng-pk, calc C-1 9 cmt; Ss orng orng-red C-1 C pk C-1 C Ss wh, sl kao, fri	C-1 C-1 C-1 C-1
800								C Ss wh lt pk, fri	E
								C Calc cmt	C-1 C-1 C-1 C-1
								C Ss pk wh, fri	
900								C Ss wh lt pk, fri/ltg C m & c rd sd gr	K-1 K-1 K-1 K-1 K-1 C-1
								9 Ss orng, calc cmt	E
1000								C Ss lt pk, fri	C-1 E
								C Ss wh lt pk, lse	
1100								C Ss wh lt pk	S-1, C-1 E











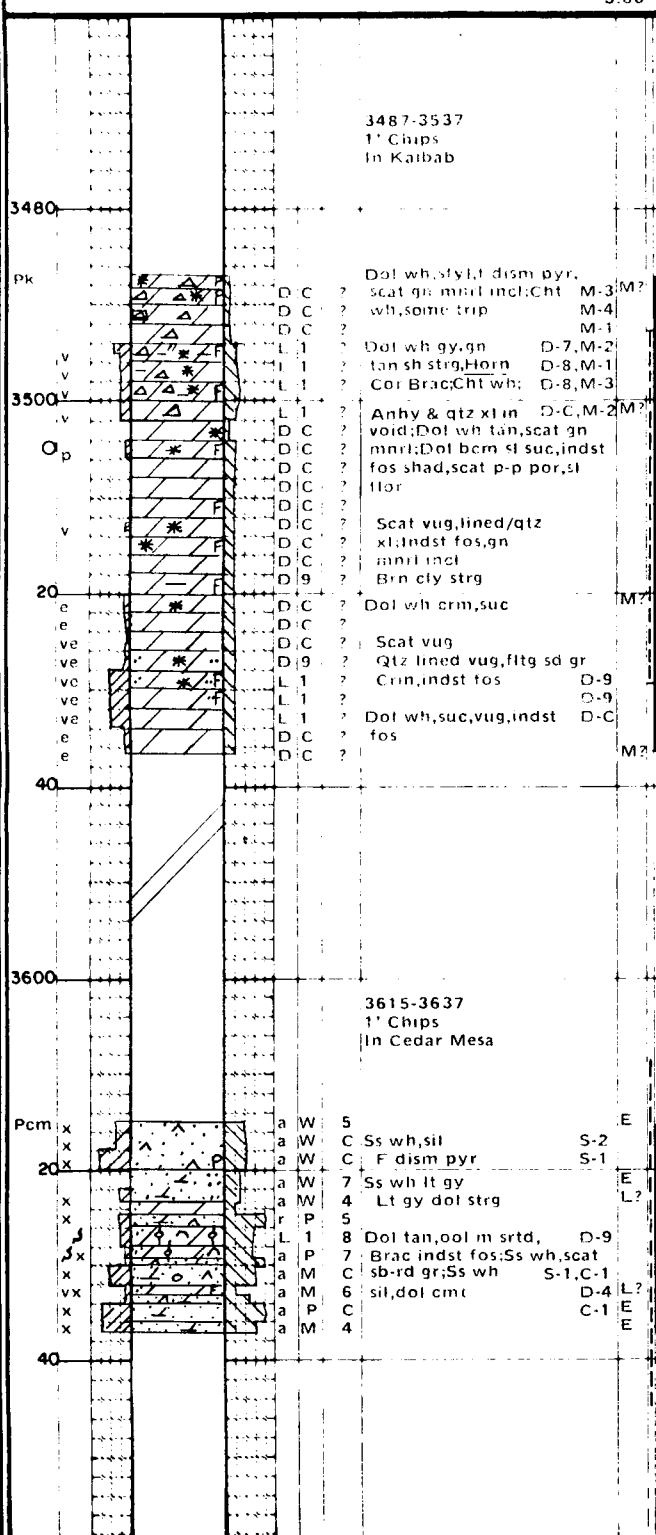
## CORE STUDY

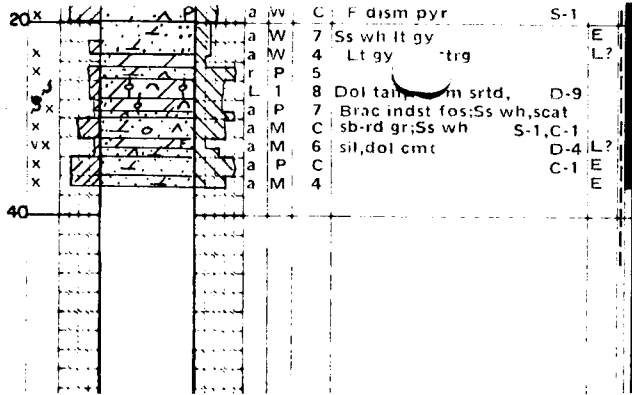
SCALE — 1 IN. = 20 FT

FROM 72-1' CHIPS

Cored depths are not adjusted to mechanical control.

3.60"





INFORMATION SUMMARY

SUMMARY OF ABBREVIATIONS  
ELEV. 4824 KB

JURASSIC

Js	Summerville	Spl Start
Je	Entrada	200
Jca	Carmel	293

JURASSIC-TRIASSIC

J-Tn	Navajo	710
------	--------	-----

TRIASSIC

Tk	Kayenta	1550
Tw	Wingate	1976
Tc	Chinle	2320
Ts	Shinarump	2568
Tm	Moenkopi	2770
Tms	Sinbad	3367

PERMIAN

Pk	Kaibab	3470
Pcm	Cedar Mesa	3595

DRILL STEM TESTS  
(from P.L.)

3493-3530

Op 10, SI 30, op 30, SI 60, rec 677 wtr CM, FP  
93-160, 133-333, SIP 1388-1388, HP 1843-1816.

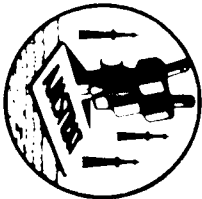
3595-3700

Op 10 SI 30, op 75, SI 75, rec 3191 sil mdy wtr,  
FP 120-287, 828-1401, SIP 1401-1415, HP 1857-  
1857.

CORED INTERVALS

See Core Study Above

COLT OIL COMPANY  
NO. 1-33 FEDERAL-CAINVILLE  
SE SW 33-28S-8E  
WAYNE COUNTY, UTAH  
LOG NO. D-4300



SECT SE SW Sec. 33 Twp. 28 S Rge 8 E

State UTAH County WAYNE

Area (W)

Amstrut Log No D-4300

COLT OIL COMPANY

NO. 1-33 FEDERAL-CAINVILLE

PERMIAN (CEDAR MESA)

Date Issued 10-75

AMERICAN STRATIGRAPHIC COMPANY

524 E YELLOWSTONE AVE DENVER, COLORADO 80207  
6280 E 39 AVE ANCHORAGE, ALASKA 99501  
17 N 31 ST BILLINGS, MONTANA 59101

TRIM LINE FOR 3"x5" FILE



CALVIN L. RAMPTON  
*Governor*

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

CLEON B. FEIGHT  
*Director*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

OIL, GAS, AND MINING BOARD

GUY N. CARDON  
*Chairman*

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
JAMES P. COWLEY  
HYRUM L. LEE

January 31, 1977

Colt Oil Inc.  
P. O. Box 614  
Grand Junction, Colorado 81501

Re: Well No. Fed. Caineville  
Sec. 33, T. 28S, R. 8E,  
Wayne County, Utah  
(IES only)

Gentlemen:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER  
RECORDS CLERK

USGS - Alexander  
BLM - Miller  
Colt - Gordon

☒ Enhance  
☐ No Effect  
☒ Minor Impact  
☒ Major Impact.

Colt Oil Corp. Well # 1-33 1967' FWL 517' FSL Sec. 33 - T28s R8e 4-8706 Wayne County, Utah. March 14, 1975.  USGS - Alexander BLM - Miller Colt - Gordon		Construction				Pollution				Drilling Production				Transport Operations		Accidents		Other		
		Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks	Operational failure
<input checked="" type="checkbox"/> Enhance <input type="checkbox"/> No Effect <input checked="" type="checkbox"/> Minor Impact <input checked="" type="checkbox"/> Major Impact.																				
Land Use	Forestry	NA																		
	Grazing	✓	0			/	/			/			/			/			/	/
	Wilderness	NA																		
	Agriculture	NA																		
	Residential-Commercial	NA																		
	Mineral Extraction	NA																		
	Recreation	✓	0			/														
	Scenic Views	✓	/	/		/				/			/			/			/	/
	Parks, Reserves, Monuments	Approx 10 miles NA																		
	Historical Sites	NA																		
Flora & Fauna	Unique Physical Features	NA																		
	Birds	-				/	/			/		/							/	/
	Land Animals	✓	/			/	/			/		/				/			/	/
	Fish	NA																		
	Endangered Species	NA																		
	Trees, Grass, Etc.	✓	/	/		/													/	/
	Surface Water	?				/													/	/
	Underground Water	?																		
	Air Quality	✓				/				/						/			/	/
	Erosion	✓	/	/		/														
Physical Character.	Other	✓																		
	Effect On Local Economy	0	0							0						0				
	Safety & Health	✓				/	/	/		/		/				/			/	/
Others cc: O.F.S., NEMA - Casper Reg. Mgr. Denver Off. State - Clear Height																				

Lease

U-8706

Well No. & Location # 1-33 - 1967' FUL 317' FSL Sec. 33 T8S - R8E

WAYNE County, Utah -

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Celt oil Corporation proposes to drill a wildcat oil ~~well~~ & Gas test well to the depth of about 3800'. Road improvements and Location Construction should consume no more than one week and should not involve any blasting. The drilling operation would commence about the end of April and should last no more than one month.

2. Location and Natural Setting (existing environmental situation)

The well site is in an area composed ~~of~~ mostly of sand. The erosion potential is considerable.

The vegetation is sparse sage and desert shrub.

The wildlife is the usual desert fauna with no known endangered species.

The area is aesthetically pleasing due to the remoteness.

There are no known historical sites that would be effected and no evidence of archeological sites was noted.

### 3. Effects on Environment by Proposed Action (potential impact)

The drilling and completion of a dry hole or ~~late~~ failure would have little long term effect on the environment. Discovery of an oil or gas field would have moderate effect in that the character of the area would be changed.

Improvement of the roads would benefit the grazing and recreation use of the area in that it would be more accessible. There would be moderate scarring of the natural area which would require 2 to 5 years to obliterate.

The drilling and associated traffic will add a minor amount of pollution to the air as well as temporarily disturbing live stock and wildlife.

The roads & location construction and rehab will be conducted by a local company thus benefiting the local economy slightly.

An uncontrolled blowout could cause serious environmental damage but any effluent could easily be contained in the nearby area.

### 4. Alternatives to the Proposed Action

Not Approving the proposed permit.

Denying the proposed permit and suggesting an alternate location where environmental damage would be lessened. ~~At this time~~ well was moved approx 30' East.

5. Adverse Environmental Effects Which Cannot Be Avoided

Temporary disturbance of livestock & wildlife.

Temporary noise due to drilling activity.

Detraction from the aesthetics.

Minor air pollution due to exhaust emissions from rig engines & support traffic.

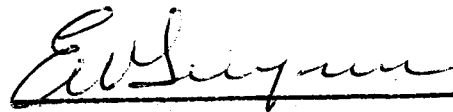
Minor induced & accelerated erosion potential due to surface disturbance & use by support traffic.

6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c)).

Date Inspected

3-19-75.



Geological Survey

~~Casper District~~

~~Casper, Wyoming~~

Salt Lake City District.

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

*Attn: Cleon Freight*

Well	Location	Lease No.
Colt Oil Incorporated #1-33	1967'FWL, 517'FSL, sec. 33, T. 28 S., R. 8 E., SIM, Wayne Co., Utah Gr. El. 4822'	U-8706
<p>1. <b>Stratigraphy and Potential Oil and Gas Horizons.</b> The surface rocks are Entrada (Jurassic). Stanolind Oil &amp; Gas Co. #1 unit in nearby sec. 29, same township, reported the following tops: Surface-Entrada, Carmel-306', Navajo-698', Kayenta-1668', Wingate-1802', Chinle-2323', Upper Moenkopi-2745', Sinbad-3353', Lower Moenkopi-3403', Kaibab-3482', Coconino-3562', Pennsylvanian-4705'.</p> <p>2. <b>Fresh Water Sands.</b> The following important water sands were noted by Stanolind Oil &amp; Gas Co. #1:              No. 1 698'-1,668' (Navajo)              No. 2 4,705'-6,330' (Permian)              No. 3 6,550'-7,160' (Mississippian).</p> <p>3. <b>Other Mineral Bearing Formations.</b> (Coal, Oil Shale, Potash, Etc.) None.</p> <p>4. <b>Possible Lost Circulation Zones.</b> None reported in well of item 1.</p> <p>5. <b>Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.</b> None reported in well of item 1.</p> <p>6. <b>Possible Abnormal Pressure Zones and Temperature Gradients.</b> Unknown.</p> <p>7. <b>Competency of Beds at Proposed Casing Setting Points.</b> Probably adequate.</p> <p>8. <b>Additional Logs or Samples Needed.</b> None.</p> <p>9. <b>References and Remarks</b> Outside of KGS.</p>		
Date: April 3, 1975		Signed: <i>Ronald E. Gunnison</i>



Schlumberger

INDUCTION ELECTRICAL LOG

COMPANY COLT OIL COMPANY

WELL 1-33 FLD PAL CALHILL

FIELD WILCOAL

COUNTY WAYNE STATE UTAH

LOCATION API Serial No.

Sec JJ Top 215 Sp 8E/4

Other Services

FDC GR

Permanent Datum GL Elev 4815  
Log Measured From KB 9 Ft. Above Perm. Datum  
Logging Measured From KB

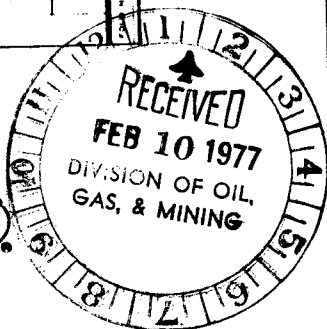
Elev KB 4824  
D.F. 9815  
GL

Date	5/25/75				
Run No.	ONE				
Depth Driller	3700				
Depth Logger	3695				
Sin. Log Interval	36.9L				
Top Log Interval	1400				
Coring Driller	3 5/8 @ 1398				
Coring Logger	1400				
Bit Size	7 7/8				
Gas Fluid in Hole	FGM				
Gas   Visc	70				
Fluid Loss	ml				
Core Sample	PIT				
Mean Temp	68 @ 70				
Mean Temp	@				
Mean Temp	@				
Source Rod Time	MEAS				
BPM	12 @ 100 f				
Circulation Stopped					
Logger on Bottom					
Max Bar Temp					
Equip Location					
Recorded By					
Witnessed By					

9

Reproduced By  
*Electrical Log Services*  
Midland, Texas 79701

### COMPLETION RECORD



SPUD DATE \_\_\_\_\_

COMP DATE \_\_\_\_\_

DST RECORD \_\_\_\_\_

ALT NO. \_\_\_\_\_

BLASTING RECORD \_\_\_\_\_

PERFORATING RECORD \_\_\_\_\_

AFTER FIRM SHOT \_\_\_\_\_

GP \_\_\_\_\_ GP \_\_\_\_\_

TP \_\_\_\_\_ CP \_\_\_\_\_

REMARKS \_\_\_\_\_

# ALLOCATION DATA

DATE: 10/1/78  
 TIME: 10:00 AM  
 BY: JPS  
 CHECKED: CPS  
 TO: [illegible]

REPRODUCTION FOR RESALE PROHIBITED

## SPONTANEOUS-POTENTIAL

WIRELOGS

## 6FF40 INDUCTION CONDUCTIVITY

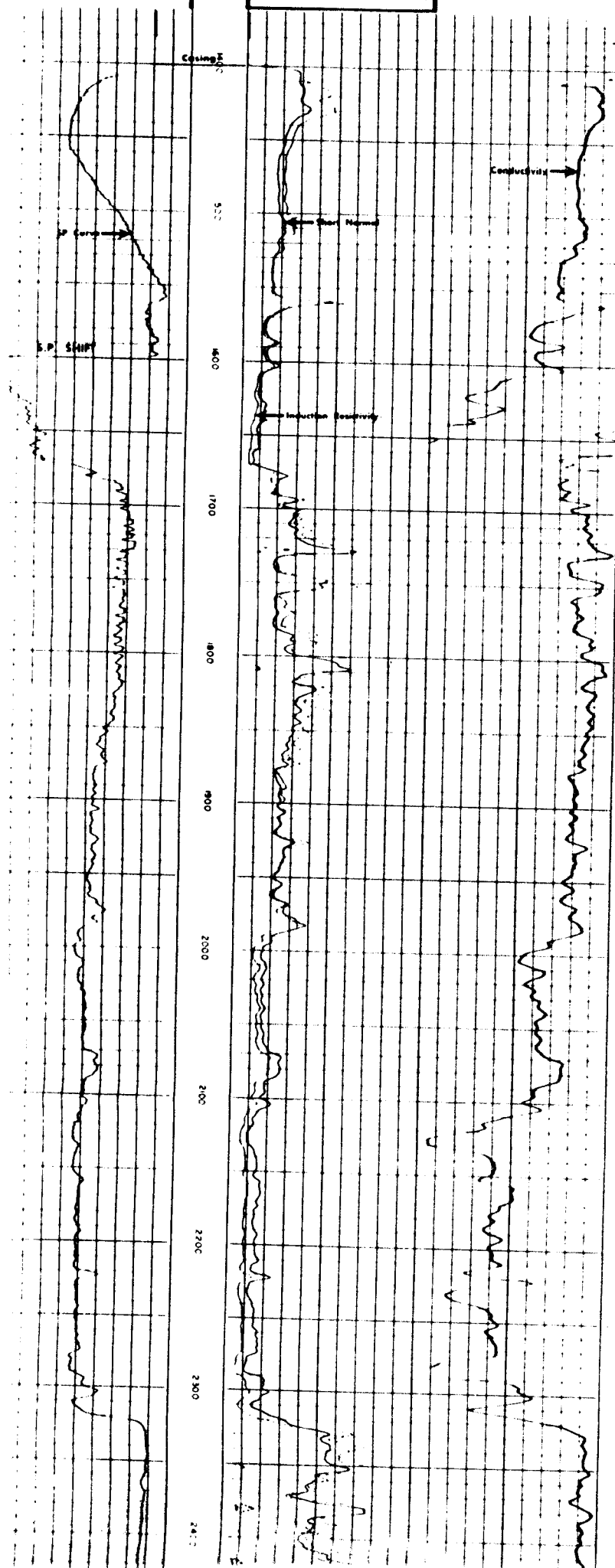
MEASUREMENTS IN MILLI OHMS M

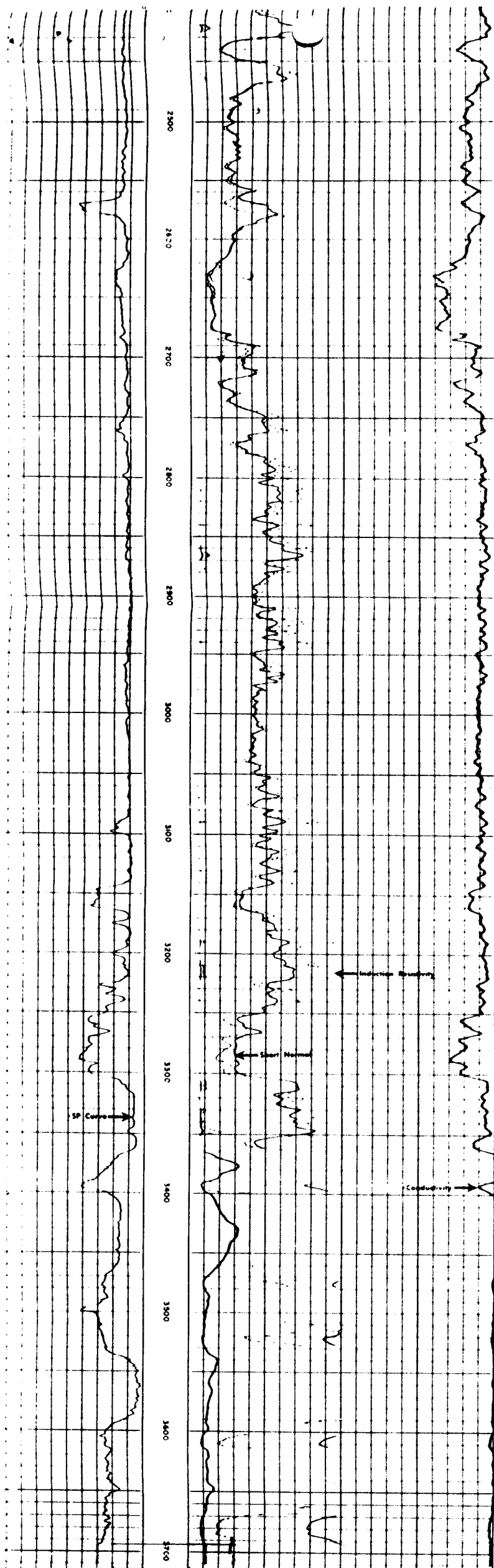
600 400 200 0

RESISTIVITY OHMS M' M  
 AMP. SHORT NORMAL

SHORT NORMAL A-16"-M

6 FF40 INDUCTION





DETAIL LOG

$J_r = 100$

SPONTANEOUS POTENTIAL

DEPTH

CONDUCTIVITY

MILLIMHOES PER CENT